



11

SEQUENCE LISTING

<110> Adams, Sean H
Chui, Clarissa
Goddard, Audrey D
Grimaldi, J. Christopher

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<141> 2002-01-22

<150> US 60/263,362

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Met Ser Gln Leu Val Leu Pro Cys His Thr Asn Gln Arg Gly Glu Leu
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Ser Val Gly Gln Leu Leu Lys Trp Ile Asp Thr Thr Ala Cys Leu Ser
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Ala Glu Arg His Ala Gly Cys Pro Cys Val Thr Ala Ser Met Asp Asp
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Ile Tyr Phe Glu His Thr Ile Ser Val Gly Gln Val Val Asn Ile Lys
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Ala Lys Val Asn Arg Ala Phe Asn Ser Ser Met Glu Val Gly Ile Gln

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Val Tyr Leu Ser Tyr Asn Asn Val Ser Ser Leu Lys Met Leu Val Ala
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Lys Asp Asn Trp Val Leu Ser Ser Glu Ile Ser Gln Val Arg Leu Tyr
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Thr Leu Glu Asp Asp Lys Phe Leu Ser Phe His Met Glu Met Val Val
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His Val Asp Ala Ala Gln Ala Phe Leu Leu Leu Ser Asp Leu Arg Gln
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Arg Pro Glu Trp Asp Lys His Tyr Arg Ser Val Glu Leu Val Gln Gln
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Val Asp Glu Asp Asp Ala Ile Tyr His Val Thr Ser Pro Ala Leu Gly
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Pro Cys Asp Asn Gly Asp Pro Tyr Val Ile Ala Leu Arg Ser Val Thr
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Ser Ala Met Ala Asp Gly Glu Gly Tyr Arg Asn Pro Thr Glu Val Gln
35 40 45

Met Ser Gln Leu Val Leu Pro Cys His Thr Asn Gln Arg Gly Glu Leu
50 55 60

Ser Val Gly Gln Leu Leu Lys Trp Ile Asp Thr Thr Ala Cys Leu Ser
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Ala Glu Arg His Ala Gly Cys Pro Cys Val Thr Ala Ser Met Asp Asp
85 90 95

Ile Tyr Phe Glu His Thr Ile Ser Val Gly Gln Val Val Asn Ile Lys
100 105 110

Ala Lys Val Asn Arg Ala Phe Asn Ser Ser Met Glu Val Gly Ile Gln
115 120 125

Val Ala Ser Glu Asp Leu Cys Ser Glu Lys Gln Trp Asn Val Cys Lys
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Ala Leu Ala Thr Phe Val Ala Arg Arg Glu Ile Thr Lys Val Lys Leu
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Lys Gln Ile Thr Pro Arg Thr Glu Glu Glu Lys Met Glu His Ser Val
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Ala Ala Glu Arg Arg Arg Met Arg Leu Val Tyr Ala Asp Thr Ile Lys
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Asp Leu Leu Ala Asn Cys Ala Ile Gln Gly Asp Leu Glu Ser Arg Asp
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Cys Ser Arg Met Val Pro Ala Glu Lys Thr Arg Val Glu Ser Val Glu

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Lys Asp Asn Trp Val Leu Ser Ser Glu Ile Ser Gln Val Arg Leu Tyr		
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Thr Leu Glu Asp Asp Lys Phe Leu Ser Phe His Met Glu Met Val Val		
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His Val Asp Ala Ala Gln Ala Phe Leu Leu Leu Ser Asp Leu Arg Gln		
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Arg Pro Glu Trp Asp Lys His Tyr Arg Ser Val Glu Leu Val Gln Gln		
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Val Asp Glu Asp Asp Ala Ile Tyr His Val Thr Ser Pro Ala Leu Gly
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Gly His Thr Lys Pro Gln Asp Phe Val Ile Leu Ala Ser Arg Arg Lys
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Pro Cys Asp Asn Gly Asp Pro Tyr Val Ile Ala Leu Arg Ser Val Thr
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Leu Pro Thr His Arg Glu Thr Pro Glu Tyr Arg Arg Gly Glu Thr Leu
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Cys Ser Gly Phe Cys Leu Trp Arg Glu Gly Asp Gln Leu Thr Lys Val
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Asn Val Ala Gly Leu Ser Ser Glu Phe Tyr Thr Thr Phe Lys Ala Cys
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Val Gln Met Ser Gln Leu Val Leu Pro Cys His Thr Asn His Arg Gly
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Glu Leu Ser Ile Gly Gln Leu Leu Lys Trp Ile Asp Thr Thr Ala Cys
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Leu Ser Ala Glu Arg His Ala Gly Cys Pro Cys Val Thr Ala Ser Met
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Asp Asp Ile Tyr Phe Asp His Thr Ile Ser Val Gly Gln Val Val Asn
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Ile Lys Ala Lys Val Asn Arg Ala Phe Asn Ser Ser Met Glu Val Gly
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Ile Gln Val Val Ser Glu Asp Leu Cys Ser Glu Lys Gln Trp Ser Val
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Cys Lys Ala Leu Ala Thr Phe Val Ala His Arg Glu Leu Ser Lys Val
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Lys Leu Lys Gln Val Ile Pro Leu Thr Glu Glu Glu Lys Thr Glu His
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Gly Val Ala Ala Glu Arg Arg Arg Met Arg Leu Val Tyr Ala Asp Thr
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Ile Lys Asp Leu Leu Thr His Cys Val Ile Gln Asp Asp Leu Asp Lys

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Pro Cys Asp Asn Gly Asp Pro Tyr Val Ile Ala Leu Arg Ser Val Thr
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Leu Pro Thr His His Glu Thr Pro Glu Tyr Gln Arg Gly Glu Thr Leu
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Cys Ser Gly Phe Cys Leu Trp Arg Glu Gly Asp Gln Met Thr Lys Val
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Ser Tyr Tyr Asn Gln Ala Thr Pro Gly Phe Leu Asn Tyr Val Thr Thr
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Asn Val Ser Gly Leu Ser Ser Glu Phe Tyr Asn Thr Phe Lys Ala Cys
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Thr Leu

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